



# **VHH Isotype Control**

### Summary

Code 400-101-001

lsotype VHH domain of Alpaca IgG2b/2c

Conjugate Unconjugated(6\*his tag was added at the C terminal of the VHH)

Purity Recombinant Expression and Affinity purified

Concentration 1mg/mL

Buffer Liquid, 10mM PBS (pH 7.5)

Storage Store at -20 °C, (Avoid freeze / thaw cycles)

### Description

VHH Isotype Control is designed as a negative control in VHH antibody staining applications. VHH Isotype Control has the same immunoglobulin class and subclass as the VHH antibody which is used in the experiment but lack affinity to the protein of interest. VHH Isotype Control makes experiments credible.

### Background

Antibodies bind to a specific protein or antigen, but sometimes an antibody can bind to other proteins or cellular components in a non-specific manner. Experimental controls are critical in determining if the antibodies used in your experiment have any off-target binding capabilities. Off-target or non-specific binding by antibodies lead to false positive results, making it difficult to determine background staining from antigen-specific staining. Therefore, it is important to always include experimental controls to ensure reliable results.

VHH are single-domain antibodies derived from the variable regions of heavy chain of Camelidae immunoglobulin. The size of VHH is extremely small(<15KDa) compared to other forms of antibody fragment, which significantly increase the permeability of VHH. Thus VHH is considered of great value for research, diagnostics and therapeutics.

#### **Benefits**

High lot-to-lot consistency Animal-free production

## Application notes

Using at a dilution as the antibody which is used in the experiment.

This product is for research use only and is not approved for use in humans or in clinical

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